

## SEQUENCE LISTING

"CREEMERS, Jantina ANGENENT, Gerrit KATER, Martin

<120> Process to collect metabolites from modified nectar by insects

<130> U-13212-4

<140> 09/743885

<141> 2001-01-16

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<170> PatentIn Ver. 2.1

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<212> PRT

<213> Petunia x hybrida

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<223> strain: W115

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<223> tissue type: nectar gland

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<223> NEC1 amino acid sequence

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Tyr Met Val Ala Leu Phe Ser Ala Gly Leu Leu Leu Tyr Tyr Ala Tyr 50 55 60

Leu Arg Lys Asn Ala Tyr Leu Ile Val Ser Ile Asn Gly Phe Gly Cys
65 70 75 80

Ala Ile Glu Leu Thr Tyr Ile Ser Leu Phe Leu Phe Tyr Ala Pro Arg 85 90 95

Lys Ser Lys Ile Phe Thr Gly Trp Leu Met Leu Leu Glu Leu Gly Ala 100 105 110

Leu Gly Met Val Met Pro Ile Thr Tyr Leu Leu Ala Glu Gly Ser His 115 120 125

Arg Val Met Ile Val Gly Trp Ile Cys Ala Ala Ile Asn Val Ala Val 130 135 140

Phe Ala Ala Pro Leu Ser Ile Met Arg Gln Val Ile Lys Thr Lys Ser 145 150 155 160

Val Glu Phe Met Pro Phe Thr Leu Ser Leu Phe Leu Thr Leu Cys Ala 165 170 175

Thr Met Trp Phe Phe Tyr Gly Phe Phe Lys Lys Asp Phe Tyr Ile Ala 180 185 190

Phe Pro Asn Ile Leu Gly Phe Leu Phe Gly Ile Val Gln Met Leu Leu 195 200 205

Tyr Phe Val Tyr Lys Asp Ser Lys Arg Ile Asp Asp Glu Lys Ser Asp 210 215 220

Pro Val Arg Glu Ala Thr Lys Ser Lys Glu Gly Val Glu Ile Ile 225 230 235 240

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Asp Phe Ser Arg Leu Arg Thr Ser Lys 260 265

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Ser Ser Arg Gly Arg Leu Tyr Glu Tyr Ala Asn Asn Ser Val Lys Ala 50 55 60 Thr Ile Asp Arg Tyr Lys Lys Ala Ser Ser Asp Ser Ser Asn Thr Gly 65 70 75 80

Ser Thr Ser Glu Ala Asn Thr Gln Phe Tyr Gln Glu Ala Ala Lys 85 90 95

Leu Arg Val Gln Ile Gly Asn Leu Gln Asn Ser Asn Arg Asn Met Leu 100 105 110

Gly Glu Ser Leu Ser Ser Leu Thr Ala Lys Asp Leu Lys Gly Leu Glu 115 120 125

Thr Lys Leu Glu Lys Gly Ile Ser Arg Ile Arg Ser Lys Lys Asn Glu 130 135 140

Leu Leu Phe Ala Glu Ile Glu Tyr Met Arg Lys Arg Glu Ile Asp Leu 145 150 155 160

His Asn Asn Asn Gln Met Leu Arg Ala Lys Ile Ala Glu Ser Glu Arg 165 170 175

Asn Val Asn Met Met Gly Gly Glu Phe Glu Leu Met Gln Ser His Pro 180 185 190

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<212> PRT

<213> Calluna vulgaris

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<223> tissue type: flower

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<223> Calluna vulgaris signal peptide

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<212> DNA

<213> Petunia x hybrida

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